



SP1

SP2

Tanks



Bebop 36 W1MD St. #2H





PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

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August 12, 2016

ZACK THOMAS

MEWBOURNE OIL COMPANY

P. O. BOX 5270

HOBBS, NM 88240

RE: BEBOP 36 W1 MP ST. #2H

Enclosed are the results of analyses for samples received by the laboratory on 08/05/16 16:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

MEWBOURNE OIL COMPANY  
ZACK THOMAS  
P. O. BOX 5270  
HOBBS NM, 88240  
Fax To: (575) 937-6252

Received:	08/05/2016	Sampling Date:	08/05/2016
Reported:	08/12/2016	Sampling Type:	Soil
Project Name:	BEBOP 36 W1 MP ST. #2H	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Celey D. Keene
Project Location:	EDDY CO.		

**Sample ID: SP 1 SURFACE (H601752-01)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2016	ND	2.21	111	2.00	0.627	
Toluene*	<0.050	0.050	08/09/2016	ND	2.26	113	2.00	0.265	
Ethylbenzene*	<0.050	0.050	08/09/2016	ND	2.17	109	2.00	0.193	
Total Xylenes*	<0.150	0.150	08/09/2016	ND	6.55	109	6.00	0.225	
Total BTX	<0.300	0.300	08/09/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	08/08/2016	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/09/2016	ND	198	99.1	200	4.26	
DRO >C10-C28	<10.0	10.0	08/09/2016	ND	181	90.6	200	7.17	

Surrogate: 1-Chlorooctane 87.0 % 35-147

Surrogate: 1-Chlorooctadecane 92.4 % 28-171

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

MEWBOURNE OIL COMPANY  
ZACK THOMAS  
P. O. BOX 5270  
HOBBS NM, 88240  
Fax To: (575) 937-6252

Received: 08/05/2016  
Reported: 08/12/2016  
Project Name: BEBOP 36 W1 MP ST. #2H  
Project Number: NONE GIVEN  
Project Location: EDDY CO.

Sampling Date: 08/05/2016  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Celey D. Keene

**Sample ID: SP 2 SURFACE (H601752-02)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2016	ND	2.21	111	2.00	0.627	
Toluene*	<0.050	0.050	08/09/2016	ND	2.26	113	2.00	0.265	
Ethylbenzene*	<0.050	0.050	08/09/2016	ND	2.17	109	2.00	0.193	
Total Xylenes*	<0.150	0.150	08/09/2016	ND	6.55	109	6.00	0.225	
Total BTX	<0.300	0.300	08/09/2016	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 73.6-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	08/08/2016	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/09/2016	ND	198	99.1	200	4.26	
DRO >C10-C28	<10.0	10.0	08/09/2016	ND	181	90.6	200	7.17	

Surrogate: 1-Chlorooctane 89.1 % 35-147

Surrogate: 1-Chlorooctadecane 96.5 % 28-171

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



# CARDINAL Laboratories

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

Company Name: <u>Memboore</u>		P.O. #:		BILL TO												ANALYSIS REQUEST																															
Project Manager: <u>Zack Thomas</u>		Company: <u>Memboore</u>																																													
Address:		Attn:																																													
City: <u>Hobbs</u>		Address:																																													
State: <u>NM</u> Zip:																																															
Phone #:		City:																																													
Fax #:		State:																																													
Project #:		Zip:																																													
Project Name: <u>Babop 3641 MP St. #24</u>		Phone #:																																													
Project Location: <u>Eddy Co.</u>		Fax #:																																													
Sampler Name: <u>Rick Navarro</u>																																															
FOR LAB USE ONLY																																															
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME		BTEX		TPH		CI-													
S		SP 1 surface		1		1		✓																		8/5/14		3:30p		✓		✓		✓													
		SP 2 surface		1																																											